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(54) Title: **PROCESS FOR THE PRODUCTION OF HYDROCARBONS**

(57) Abstract: Synthesis gas for a Fischer-Tropsch process is obtained by primary steam reforming a hydrocarbon feedstock in tubes in a heat exchange reformer, subjecting the primary reformed gas to secondary reforming and using the hot secondary reformed gas to heat the tubes in the heat exchange reformer. The resultant reformed gas is cooled, de-watered and used to form hydrocarbons in the Fischer-Tropsch process. At least part of the tail gas from the Fischer-Tropsch process is combusted in a gas turbine to provide power for the reforming process.

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